



**Fatality #22 - December 17, 2010**  
**Powered Haulage - Maryland - Crushed, Broken Limestone NEC**  
**S W Barrick & Sons - S W Barrick & Sons**

**METAL/NONMETAL MINE FATALITY** - On December 17, 2010, a 35 year- old truck driver with 11 weeks of experience died at a crushed stone operation. The victim was standing on a belt conveyor, working inside a chute, when the belt conveyor started. He was pulled out of the chute and conveyed under two other chutes located on the same belt conveyor. After the belt conveyor was shut down, the victim was found under a third chute.



**Best Practices**

- Establish safe work procedures before conducting specific tasks on belt conveyors and ensure that the safe work procedures are followed.
- Train persons to recognize the hazards of working near belt conveyors.
- Deenergize and block belt conveyors against motion before working near a chute, drive, head, tail, and take-up pulleys.
- Lock-out/tag-out all energy sources to belt conveyors before working on them.
- Sound audible warnings or alarms prior to starting belt conveyors.
- Maintain communications with all persons performing the task. Before re-starting belt conveyors, ensure that all persons are clear.

This is the 21<sup>st</sup> fatality reported in calendar year 2010 in the metal and nonmetal mining industries. As of this date in 2009, there were 16 fatalities reported in these industries. This is the 7<sup>th</sup> Powered Haulage fatality in 2010. There were 5 Powered Haulage fatalities in the same period in 2009.

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**Fatality #16 - December 15, 2011**

**Machinery - Pennsylvania - Crushed, Broken Stone NEC  
Damascus 535 Crushing - Damascus 535 Crushing**

**METAL/NONMETAL MINE FATALITY** - On December 15, 2011, a 22 year-old laborer with 3 months of experience was killed at a surface stone operation. The victim, who was last seen on a control tower, fell into an operating jaw crusher.



**Best Practices**

- Always use fall protection when working where a fall hazard exists.
- Establish policies and procedures for safely clearing plugged material in a jaw crusher.
- Ensure that persons are task trained and understand the hazards associated with the work being performed.
- Deenergize and Lock-out/tag-out all power sources before working on crushers.
- Do not place yourself in a position that will expose you to hazards.
- Monitor personnel routinely to determine that safe work procedures are followed.

This is the 16<sup>th</sup> fatality reported in calendar year 2011 in the metal and nonmetal mining industries. As of this date in 2010, there were 30 fatalities reported in these industries. This is the 4<sup>th</sup> Powered Haulage fatality in 2011. There were 3 Machinery fatalities in the same period in 2010.

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**Fatality #19 - December 4, 2013**

**Explosives/Breaking Agents – Kansas – Crushed, Broken Limestone  
Bayer Construction Company, Inc. - Kansas Falls Quarry**

**METAL/NONMETAL MINE FATALITY** - On December 4, 2013, a 63-year old lead man with 16 years of experience was killed at a crushed stone mine. The victim initiated a blast and was struck by flyrock from the blast. He was standing 153 feet from the nearest blast hole and was struck by rock as large as 19 inches long by 14 inches wide by 7 inches thick.



**Best Practices**

- Establish and discuss safe work procedures before beginning work. Identify and control all hazards associated with the work to be performed and the methods to properly protect persons. Task train all persons in safe work procedures.
- Maintain and use all available methods of communication, such as sirens and radios, to warn persons of an impending blast. Establish methods to ensure that all persons are out of the blasting area.
- Guard or barricade all access routes to the blasting area to prevent the passage of persons or vehicles.
- Before firing a blast, give ample warning to allow all persons to be evacuated.
- Clear and remove all persons from the blasting area unless suitable blasting shelters are provided to protect persons from flyrock.
- Verify that the blasting procedures are effective and being followed at all times.

This is the 19<sup>th</sup> fatality reported in calendar year 2013 in metal and nonmetal mining. As of this date in 2012, there were 16 fatalities reported in metal and nonmetal mining. This is the 4<sup>th</sup> Explosives and Breaking Agents fatality in 2013. There were 0 Explosives and Breaking Agents fatalities in the same period in 2012.

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**Fatality #21 - December 13, 2013**

**Falling/Sliding Material – Georgia – Construction Sand and Gravel  
Brown Brothers Sand Company - Witched Stephen Plants**

**METAL/NONMETAL MINE FATALITY** - On December 13, 2013, a 53-year old utility worker with 19 years of experience was killed at a sand mine. The victim was standing near the edge of a bank when it collapsed engulfing him.



**Best Practices**

- Establish and discuss safe work procedures before beginning work. Identify and control all hazards associated with the work to be performed and the methods to properly protect persons.
- Task train all persons to recognize all potential hazardous conditions that can decrease bank or slope stability and ensure they understand safe job procedures for elimination of the hazards.
- Evaluate all pit, highwall, slope, and bank conditions daily. Be especially vigilant for these conditions after each rain, freeze, or thaw.
- Slope trenches back at a stable angle or install shoring when working in and around trenches.
- Correct hazardous conditions by working from a safe location.

This is the 21<sup>st</sup> fatality reported in calendar year 2013 in metal and nonmetal mining. As of this date in 2012, there were 16 fatalities reported in metal and nonmetal mining. This is the 4<sup>th</sup> Falling/Sliding Material fatality in 2013. There were 2 Falling/Sliding Material fatalities in the same period in 2012.

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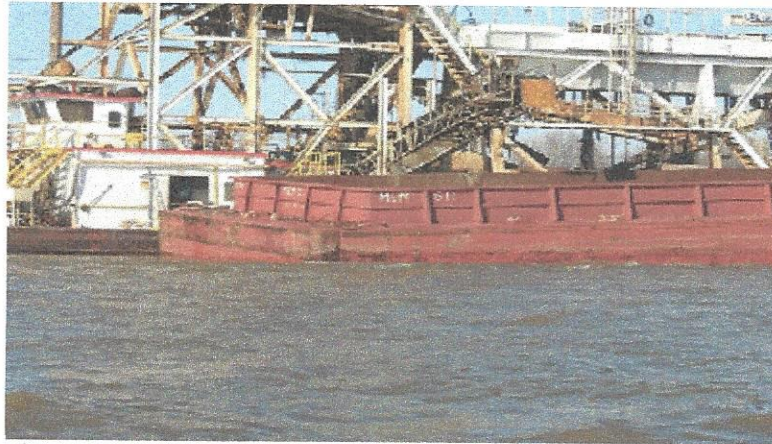




**Fatality #22 - December 10, 2013**

**Other (Drowning) - Kentucky - Construction Sand and Gravel  
Hunter Sand & Gravel, LLC. - Dredge IV**

**METAL/NONMETAL MINE FATALITY** - On December 10, 2013, a 27-year old deck hand with 4 years and 8 months of experience drowned at a dredge operation. He was working on a dredge that had a barge attached to it. The victim stepped on the barge and fell into the water.



**Best Practices**

- Task train all persons to recognize all potential hazardous conditions and ensure they understand safe job procedures for elimination of the hazards before beginning work.
- Always wear a life jacket where there is a danger of falling into the water.
- Remove snow and ice from work areas.
- Ensure safe access is provided where persons are required to work or travel. Maintain three points of contact.
- Install and use lifeline tie-off runs and fall protection.
- Provide communication devices and establish procedures requiring persons to alert coworkers when they are outside the dredge's handrails.

This is the 22<sup>nd</sup> fatality reported in calendar year 2013 in metal and nonmetal mining. As of this date in 2012, there were 16 fatalities reported in metal and nonmetal mining. This is the 1<sup>st</sup> Other (Drowning) fatality in 2013. There were 0 Other (Drowning) fatalities in the same period in 2012.

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